



# **Aspen** *Environmental Group*

## **PROJECT MEMORANDUM**

### **LODI GAS KIRBY HILLS NATURAL GAS STORAGE FACILITY PROJECT**

**To:** Junaid Rahman, CPUC  
**From:** Vida Strong, Aspen Project Manager  
**Date:** August 3, 2006  
**Subject:** Weekly Report #10: July 23, 2006 – July 29, 2006  
**CPUC Environmental Monitors (EM):** Jody Fessler

CPUC EM Jody Fessler was on site July 26<sup>th</sup>.

#### **PIPELINE SEGMENT:**

##### **Summary of Activity:**

The installation of the 16-inch pipeline was completed last week with the exception of some minor clean-up and property owner walk-through. Construction activities continued this week with the hydrotest of the 16-inch pipeline Monday through Wednesday, with the hydrotest completed on Thursday. On Friday and Saturday, crews de-watered the pipeline into the Compressor Station detention pond. The water will be used for dust control. After the dewatering was completed on Saturday, drying pigs were run through the line and the line was then prepared for the caliper pig. Throughout the week the pipeline continued to be backfilled and clean-up activities occurred along the right-of-way (see Figure 1).

On Wednesday, trenching activities resumed for the 12-inch pipeline from well site S-2 to well site S-10. Piping fabrication on the 12-inch pipeline fittings was on-going throughout the week. On Thursday, trenching activities from well-site S-1 to S-2 were completed. On Saturday, the 12-inch pipeline was installed from well site S-1 to S-2.

On Monday, fiber optic cable was tested from the compressor station to the first splice site at the staging yard. On Tuesday, the fiber optic cable was tested from the Metering Station to the Compressor Station.

The staging area off Shiloh Road is being used for the staging of materials and equipment for the pipeline construction. Lodi Gas and Rockford, the construction contractor, also have work trailers staged on the site.

Water trucks were observed often watering down the right-of-way for dust control.

A Jones & Stokes Environmental Inspector (EI) was on-site to ensure compliance with mitigation measures adopted in the Mitigated Negative Declaration (MND), Storm Water Pollution Prevention Plan (SWPPP), and other permit requirements.

#### **Environmental Compliance Activities:**

The CPUC EM observed that construction activities were in compliance with mitigation measures adopted in the MND and other permit requirements.

#### **WELL SITES:**

On Monday, crews completed final installations of the piping at well site S-10. Also on Monday, final tubing and installations were completed on the meter skid for the temporary injection system. PG&E then introduced gas and purged the meter skid piping. The 4-inch and 12-inch pipeline were purged with gas

up to the temporary compressor. Start-up procedures were initiated for the temporary compressor unit. On Tuesday, the temporary compressor was in service, flowing gas to well site S-10 through the 4-inch temporary line from the PG&E line 182 (see Figure 2).

On Wednesday, crews located some Calpine existing lines near well site S-2 (see Figure 3). One of the lines was not where it stated it was on the drawings. A Calpine representative was on-site to observe the location of the lines along with construction management.

On Thursday, PG&E crews resumed work on the re-route of their gas pipeline around well site S-2.

**Environmental Compliance Activities:**

The CPUC EM observed that construction activities were in compliance with mitigation measures adopted in the MND and other permit requirements.

**KIRBY HILLS COMPRESSOR STATION SITE:**

At the Kirby Hills Compressor Station, foundation work and station piping fabrication continued throughout the week (see Figure 4). On Monday, crews poured concrete for the MCC building foundation, stripped forms from the north compressor block foundation, and tied rebar for the filter separator foundations. Also, crews began to excavate for the compressor building foundation. Tuesday through Thursday, forms were being constructed and rebar tied for the tank battery foundations; excavation was on-going for the compressor building foundation as well as station piping fabrication. On Wednesday, concrete was poured for the air compressor, dryer and receiver foundations. On Wednesday and Thursday, crews backfilled and compacted around the compressor block foundations. On Thursday, excavation began for the slug catcher support foundations.

Water trucks were observed regularly watering the site for dust control.

**Environmental Compliance Activities:**

The CPUC EM observed that construction activities were in compliance with mitigation measures adopted in the MND and other permit requirements.

**METERING STATION SITE:**

No work took place at the Metering Station site this week by PG&E or Lodi Gas. Lodi Gas is waiting for the Solano County building permit and NTP #5 before construction proceeds.

**Environmental Compliance Activities:**

The CPUC EM observed that construction activities were in compliance with mitigation measures adopted in the MND and other permit requirements.

**NOTICES TO PROCEED (NTP):**

Table 1 presents the NTPs issued by the CPUC for the Lodi Gas Kirby Hills Project to date.

**TABLE 1**  
**NOTICES TO PROCEED**  
(Updated 8-3-06)

NTP #	Date Issued	Description
#1	5-19-06	Pipeline Portion
#2	5-31-06	Civil (grading) and piping construction of the well sites, and civil (grading) construction of the compressor station
#3	7-05-06	Compressor station and well site construction. Drilling of three new storage wells.
#4	6-20-06	Civil portion only of the natural gas receiving/metering station
#5	Under Review	Metering station foundation, structural, piping, electrical, and instrumentation construction. County permit pending.

**VARIANCE REQUESTS:**

Table 2 presents the Variance Requests reviewed and approved by the CPUC for the Lodi Gas Kirby Hills Project to date.

**TABLE 2**  
**VARIANCE REQUESTS**  
(Updated 8-3-06)

NTP #	Date Requested	Date Issued	Description
#1	6-01-06	6-05-06	Request to trench through ephemeral wetland area approximately 70 ft. west of Olson Road.
#2	5-31-06	6-08-06	Lodi gas would like permission to trench through an area with a CNPS listed plant (pappose spikeweed). CPUC approval contingent upon CDFG concurrence. 6/21 – CDFG feedback provided and forwarded to J&S.
#3	6-16-06	6-16-06	Request to trench through two ephemeral wetland areas west of Shiloh Road.
#4	6-27-06	6-28-06	Request for additional workspace on the west side of Shiloh Road for the Shiloh bore.
#5	6-28-06	6-29-06	Request for removal of two small eucalyptus trees and trenching through the root system of two larger trees.
#6	7-07-06	7-07-06	Request to use additional workspace at the corner of Shiloh Road and the Kirby Hills access road to support large vehicles and equipment being transported to the Kirby Hills site.
#7	7-07-06	7-18-06	Request to relocate a PG&E distribution line around the S-2 well site. CPUC has requested historical resource information on the drilling “dog house” that is near the site. Jones & Stokes submitted information on 7/17/06.
#8	7-07-06	7-07-06	Request to move the 4-inch temporary gas line.

**ENVIRONMENTAL COMPLIANCE:**

One Project Memorandum has been issued by the CPUC EM for the project to date. On June 27<sup>th</sup>, the CPUC EM observed dump trucks dumping spoils from the Kirby Hills site on a levee road in an adjacent wetland area. This activity was not described in the project description. The CPUC EM requested to review permits for this activity. The landowner provided Lodi Gas with the 2006 Annual Application for the USACE Wetlands Maintenance, a copy of a letter from the USACE to the Suisun Resource Conservation District dated May 31, 2006, and a letter from the Suisun Resource Conservation District to the landowner dated June 5, 2006. The CPUC EM reviewed these documents and has concluded that the work activities are in compliance with the USACE approval. The Project Memorandum serves as a reminder that all permits for construction activities related to the Kirby Hills Natural Gas Storage Facility project be submitted and approved by the CPUC. Also, if changes to project activities as described in the MND occur, a Variance Request shall be submitted.

No Non-Compliance Reports (NCR) have been issued by the CPUC EM for the project to date.

**UPCOMING ITEMS:**

Starting August 3, Lodi Gas will be holding bi-weekly conference calls on Thursdays at 1:30 p.m. (PST) to review issues and upcoming events.

## Photographs



**Figure 1** – Right-of-way restored through eucalyptus trees and adjacent to the old abandoned house looking east toward Staging Yard, July 26, 2006.



**Figure 2** – PG&E temporary tap for 4-inch temporary pipeline to S-10 well site, July 26, 2006.



**Figure 3** – Locating existing Calpine gas lines near S-2 well site, July 26, 2006.



**Figure 4** – Piping fabrication work at the Compressor Station, July 26, 2006.